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NOTICE OF ALLOWANCE AND FEE(S) DUE

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07/27/2010

HOWSON & HOWSON LLP 501 OFFICE CENTER DRIVE SUITE 210 FORT WASHINGTON, PA 19034

EXAMINER				
BAND, MICHAEL A				
ART UNIT	PAPER NUMBER			
1795				

DATE MAILED: 07/27/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/575,937	04/13/2006	Takeo Okabe	OGOSH51USA	7084

TITLE OF INVENTION: PACKAGING DEVICE AND PACKAGING METHOD FOR HOLLOW CATHODE TYPE SPUTTERING TARGET

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	10/27/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

ppropriate. All further ndicated unless correcte naintenance fee notifica	ed below or directed oth	ng the Patent, advance on nerwise in Block 1, by (a	rders and notification a) specifying a new co	of m orresp	aintenance fees wi condence address;	ll be and/or	mailed to the current (b) indicating a separ	correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
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501 OFFICE CE SUITE 210				I her State addre trans	eby certify that this s Postal Service wi essed to the Mail mitted to the USPT	Fee(s th suf Stop O (57	s) Transmittal is being ficient postage for first ISSUE FEE address at 273-2885, on the date	deposited with the United t class mail in an envelope above, or being facsimile the indicated below.
FORT WASHIN	NGTON, PA 19034							(Depositor's name)
								(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO]	RNEY DOCKET NO.	CONFIRMATION NO.
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				UE		FEE		
nonprovisional	NO	\$1510	\$300		\$0		\$1810	10/27/2010
EXAM	IINER	ART UNIT	CLASS-SUBCLASS					
BAND, MI		1795	053-403000					
. Change of correspondence address or indication of "Fee Address" (37 EFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			2. For printing on the patent front page, list (I) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.					
PLEASE NOTE: Unl	less an assignee is ident h in 37 CFR 3.11. Comp	A TO BE PRINTED ON T ified below, no assignee oletion of this form is NO	data will appear on th	he pa	tent. If an assigned assignment.			ocument has been filed for
lease check the appropr	iate assignee category or	categories (will not be pr	rinted on the patent):		Individual 🖵 Cor	porati	on or other private gro	up entity Government
	are submitted: No small entity discount p # of Copies	permitted)	b. Payment of Fee(s): (A check is enclos Payment by credi The Director is he overpayment, to E	ed. t card	I. Form PTO-2038 authorized to charg	is atta	ched.	
_ ~ .	tus (from status indicated s SMALL ENTITY state		☐ b Applicant is no	long	er claiming SMALI	I ENT	ΓΙΤΥ status. See 37 CF	$(\mathbf{R}, 1, 27(\alpha)(2))$
NOTE: The Issue Fee an	d Publication Fee (if requ		d from anyone other th					e assignee or other party in
					Date			
Typed or printed nam	e				Registration No)		
his collection of inform n application. Confiden ubmitting the completed nis form and/or suggesti Sox 1450, Alexandria, V Nexandria. Virginia 223	tiality is governed by 35 d application form to the ions for reducing this but 7 irginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to th ONOT SEND FEES OR	on is required to obtain 1.14. This collection is depending upon the i e Chief Intormation O COMPLETED FORM	or restindivi	etain a benefit by the mated to take 12 m dual case. Any con r, U.S. Patent and T o THIS ADDRESS.	e publ inutes nment 'raden SENI	ic which is to file (and to complete, including s on the amount of tin nark Office, U.S. Depa D TO: Commissioner f	by the USPTO to process) g gathering, preparing, and he you require to complete rtment of Commerce, P.O. for Patents, P.O. Box 1450,

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270 75	90 07/27/2010		EXAM	INER
HOWSON & HO	WSON LLP	BAND, MICHAEL A		
501 OFFICE CEN	ΓER DRIVE		ART UNIT	PAPER NUMBER
SUITE 210 FORT WASHING	TON, PA 19034		1795 DATE MAILED: 07/27/201	0

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 769 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 769 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)				
	10/575,937	OKABE ET AL.				
Notice of Allowability	Examiner	Art Unit				
	MICHAEL BAND	1795				
The MAILING DATE of this communication appeal all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is	n this application. If not included unication will be mailed in due course. TH				
1. This communication is responsive to <u>5/18/2010</u> .						
2. X The allowed claim(s) is/are <u>5,6,9,11 and 17-19</u> .						
 3. Acknowledgment is made of a claim for foreign priority unally All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	e been received. e been received in Applicati	on No	ne			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requirements				
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 						
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner' Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the deposition of th	son's Patent Drawing Revie s Amendment / Comment on .84(c)) should be written on he header according to 37 C sit of BIOLOGICAL MAT	or in the Office action of the drawings in the front (not the back) of FR 1.121(d). ERIAL must be submitted. Note the				
attached Examiner's comment regarding REQUIREMENT Attachment(s)	FOR THE DEPOSIT OF B	OLOGICAL MATERIAL.				
1. ☐ Notice of References Cited (PTO-892)	5. Notice of I	nformal Patent Application				
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413), /Mail Date				
3. Information Disclosure Statements (PTO/SB/08),		Paper No./Mail Date 7.				
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material		8. 🛛 Examiner's Statement of Reasons for Allowance				
	9.	_				

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DETAILED ACTION

Allowable Subject Matter

- 1. Claims 5-6, 9, 11, and 17-19 are allowed.
- 2. The following is an examiner's statement of reasons for allowance: claims 5 and 19 of the invention as claimed are not shown in the prior art especially with regard to a packaging method for a hollow cathode (i.e. cup-shaped) sputter target and having a rigid, flat cover installed of a size capable of covering a void of said hollow cathode sputter target, providing one or more through-holes to said cover, placing a resin bag over said cover and through-holes, and performing vacuum suction to an inside of said resin bag. While the Prior Art of Tanaka et al teaches a protector for a planar sputter target, Tanaka et al fails to teach using a protective, flat cover having one or more through-holes for protecting a void of a hollow cathode (i.e. cup-shaped) sputter target, therefore these components have not been arranged in the claimed manner nor is there motivation as to why one of ordinary skill in the art would arrange these components in the claimed manner to protect a hollow cathode sputtering target.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Band whose telephone number is (571) 272-9815. The examiner can normally be reached on Mon-Fri, 9am-5pm, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alexa Neckel can be reached on (571) 272-1446. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

4. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/M. B./

Examiner, Art Unit 1795

/Alexa D. Neckel/

Supervisory Patent Examiner, Art Unit 1795